

## WHAT IS CLAIMED IS:

1. A movement detection sensor comprising:  
a void formed by a partition wall made of a non-magnetic material;  
a magnetized rolling member sealed in an interior of the void; and  
a magnetic sensor provided in the partition wall.
2. The movement detection sensor according to claim 1, wherein the void is formed in spherical or regular polyhedron form, and the rolling member is a sphere or a regular polyhedron.
3. A movement detection device comprising:  
the movement detection sensor according to claim 1;  
an amplifying circuit that amplifies an output signal of the magnetic sensor in the movement detection sensor; and  
a transmitting circuit that radio-transmits a detection signal amplified in the amplifying circuit.
4. A movement detection sensor comprising:  
a void formed by a partition wall made of a non-magnetic material;  
a magnetized rolling member sealed in the interior of the void;  
a visco-elastic body which is filled into the void so as to abut against and envelop the rolling member; and  
a magnetic sensor provided in the partition wall.
5. A movement detection device comprising:  
the movement detection sensor according to claim 4;  
a differentiating circuit that differentiates an output signal of the magnetic sensor in the movement detection sensor;  
an amplifying circuit that amplifies an output signal of the differentiating

circuit; and

a transmitting circuit that radio-transmits a detection signal amplified in the amplifying circuit.

6. A movement detection device comprising:

the movement detection device according to claim 3; and

a microcomputer that stores and judges a detection signal amplified in the amplifying circuit of the movement detection device.

7. A movement detection device comprising:

the movement detection device according to claim 5; and

a microcomputer that stores and judges a detection signal amplified in the amplifying circuit of the movement detection device.

8. A movement detection device comprising:

the movement detection device according to claim 3; and

a radio wave receiver attached to the movement detection device, that receives radio waves,

wherein the radio wave receiver receives radio waves from a radio wave transmitter positioned at a predetermined distance from the movement detection device, and the movement detection device begins operations when a field intensity of the received radio waves falls below a predetermined value.

9. A movement detection device comprising:

the movement detection device according to claim 5; and

a radio wave receiver attached to the movement detection device, that receives radio waves,

wherein the radio wave receiver receives radio waves from a radio wave transmitter positioned at a predetermined distance from the movement detection device, and the movement detection device begins operations when a field intensity of the received radio waves falls below a predetermined value.

10. A movement detection device comprising:  
the movement detection device according to claim 6; and  
a radio wave receiver attached to the movement detection device, that receives radio waves,  
wherein the radio wave receiver receives radio waves from a radio wave transmitter positioned at a predetermined distance from the movement detection device, and the movement detection device begins operations when a field intensity of the received radio waves falls below a predetermined value.
11. A movement detection device comprising:  
the movement detection device according to claim 7; and  
a radio wave receiver attached to the movement detection device, that receives radio waves,  
wherein the radio wave receiver receives radio waves from a radio wave transmitter positioned at a predetermined distance from the movement detection device, and the movement detection device begins operations when a field intensity of the received radio waves falls below a predetermined value.
12. A movement detection device comprising:  
the movement detection device according to claim 3;  
a temperature sensor that detects the temperature of a detection subject; and  
an attachment tool that attaches the movement detection device and the temperature sensor to the detection subject.
13. A movement detection device comprising:  
the movement detection device according to claim 5;  
a temperature sensor that detects the temperature of a detection subject; and  
an attachment tool that attaches the movement detection device and the temperature sensor to the detection subject.
14. A movement detection device comprising:  
the movement detection device according to claim 6;

a temperature sensor that detects the temperature of a detection subject; and  
an attachment tool that attaches the movement detection device and the  
temperature sensor to the detection subject.

15. A movement detection device comprising:  
the movement detection device according to claim 7;  
a temperature sensor that detects the temperature of a detection subject; and  
an attachment tool that attaches the movement detection device and the  
temperature sensor to the detection subject.